

Converting Colors

XYZ(28.6658, 30.9938, 36.6478)

Have a look what the booklet for
XYZ(28.6658, 30.9938, 36.6478)
contains.

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Color

**XYZ(28.7181, 31.0019,
36.8181)**

Conversions

Conversions Part 1

Format	Color
Hex	8E999E
RGB	142, 153, 158
RGB Percent	56%, 60%, 62%
CMY	0.4431, 0.4000, 0.3804
CMYK	0.10, 0.03, 0.00, 0.38
HSL	199°, 8%, 59%
HSV	199°, 10%, 62%
XYZ	28.7181, 31.0019, 36.8181
YIQ	150.2810, -8.1610, -0.7770

Conversions

Conversions Part 2

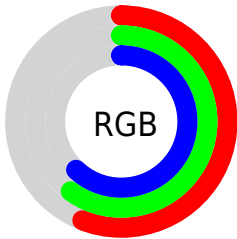
Format	Color
RYB	142, 149, 158
Decimal	9345438
CIELab	62.51, -2.89, -3.98
CIELCh	63, 4.914, 233.992
Yxy	31.0019, 0.2975, 0.3211
Android (android.graphics.Color)	4287535518 (0xFF8E999E)
YUV	150.2810, 3.8055, -7.2624
Hunter-Lab	55.6793, -5.3728, -0.2301

Details

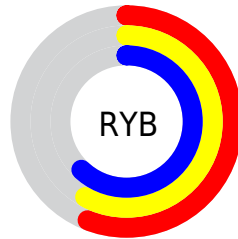
The XYZ color **28.7181, 31.0019, 36.8181** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **29.4168, 30.0892, 29.8490**, and the grayscale version is **29.0963, 30.6116, 33.3360**.

A 20% lighter version of the original color is **57.0880, 61.1655, 71.7481**, and **11.8188, 12.8396, 15.7653** is the 20% darker color. If you saturate the color by 10%, you get **25.4062, 28.1209, 36.4371**, and if you desaturate by 10%, it is **32.4495, 34.1504, 37.2296**.

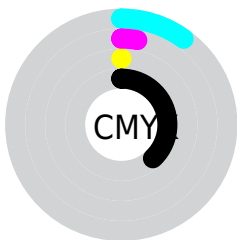
Distribution



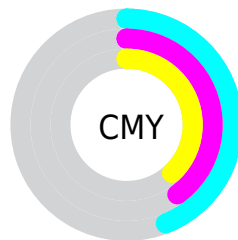
- Red (56%)
- Green (60%)
- Blue (62%)



- Red (56%)
- Yellow (58%)
- Blue (62%)



- Cyan (10%)
- Magenta (3%)
- Yellow (0%)
- Black (38%)



- Cyan (44%)
- Magenta (40%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.7181, 31.0019, 36.8181 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 28.7181, 31.0019, 36.8181 by changing the saturation by 10% instead.

■ 28.7181, 31.0019,
36.8181

■ 28.7181, 31.0019,
36.8181

287.9008,
306.5471, 347.6673

■ 19.0109, 20.6003,
24.7720

■ 57.0296, 61.2431,
71.4761

■ 11.7822, 12.8321,
15.6898

■ 76.3645, 81.8514,
94.9251

■ 6.6667, 7.3131,
9.1529

■ 99.6394, 106.6308,
123.0122

■ 3.2990, 3.6586,
4.7429

127.2197,
135.9656, 156.1559

■ 1.3138, 1.4845,
2.0411

159.4706,
170.2402, 194.7747

■ 0.1935, 0.2778,
0.5804

196.7575,

■ 0.0000, 0.0000,

209.8391, 239.2871

0.0000

239.4458,
255.1466, 290.1118

■ 28.7181, 31.0019,
36.8181

■ 28.7181, 31.0019,
36.8181

■ 25.4062, 28.1209,
36.4371

■ 32.4495, 34.1504,
37.2296

■ 22.4946, 25.4945,
36.0836

■ 36.6133, 37.5711,
37.6705

■ 19.9666, 23.1143,
35.7574

■ 41.2250, 41.2735,
38.1420

■ 17.8032, 20.9697,
35.4575

■ 46.2986, 45.2654,
38.6451

■ 15.9837, 19.0497,
35.1827

■ 51.8475, 49.5541,
39.1805

■ 14.4851, 17.3416,
34.9320

■ 57.8844, 54.1469,
39.7488

■ 13.2814, 15.8314,
34.7040

■ 64.4218, 59.0505,
40.3507

■ 12.3423, 14.5028,
34.4970

■ 66.3676, 61.6406,
40.7481

■ 11.6031, 13.3317,
34.3099

■ 67.4731, 63.8515,
41.1166

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



28.3090, 31.0019, 35.2729



28.7181, 31.0019, 36.8181



29.3322, 31.0019, 37.5458

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



28.7181, 31.0019, 36.8181



30.7616, 31.0019, 34.1420



28.9475, 31.0019, 30.5071

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



28.7181, 31.0019, 36.8181



29.4168, 30.0892, 29.8490

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



29.6009, 31.0019, 30.2299



28.7181, 31.0019, 36.8181



30.6548, 31.0019, 32.2828

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



28.7181, 31.0019, 36.8181



30.5171, 31.0019, 35.9637



30.2275, 31.0019, 30.8682



28.4401, 31.0019, 31.6402

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



28.7181, 31.0019, 36.8181



29.7779, 31.0019, 37.4504



30.2275, 31.0019, 30.8682



29.1571, 31.0019, 30.3125

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



28.7190, 31.0032, 36.8188



56.8607, 60.2896, 67.3836



28.6334, 32.3053, 32.2484



12.6976, 13.4901, 15.1783



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



28.7190, 31.0032, 36.8188



50.8226, 55.1581, 66.7114



27.4833, 28.5319, 36.4069



6.6469, 7.1596, 8.4383



9.3290, 10.7496, 27.4904



0.2026, 0.2639, 0.5035

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



29.5240, 28.9156, 34.1638



52.5728, 50.6746, 60.9265



30.6716, 32.5988, 30.2673



6.8159, 6.7193, 7.8816



13.5071, 6.7074, 12.1871



0.2596, 0.1272, 0.3131

Previews

White Background



This preview shows how the XYZ color 28.7181, 31.0019, 36.8181 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 28.7181, 31.0019, 36.8181 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

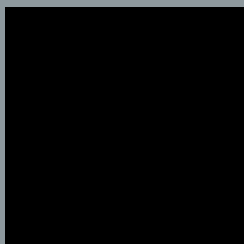
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

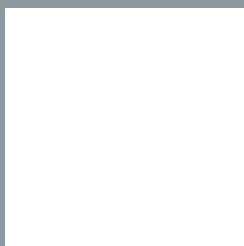
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 28.7181, 31.0019, 36.8181

Background



This preview shows how black text looks on a background with the XYZ color 28.7181, 31.0019, 36.8181.



This preview shows how white text looks on a background with the XYZ color 28.7181, 31.0019,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

28.7181, 31.0019, 36.8181

Protanopia

29.8560, 30.8884, 35.8410

Deuteranopia

31.5920, 31.0520, 37.1294



Tritanopia

29.2568, 30.9764, 39.5590

Trichromacy



Original Color

28.7181, 31.0019, 36.8181

Protanomaly

29.3652, 30.8634, 36.3078

Deuteranomaly

30.5230, 30.9667, 37.1693

Tritanomaly

29.0775, 30.9047, 38.6151

Monochromacy



Original Color

28.7181, 31.0019, 36.8181

Achromatopsia

28.9890, 30.4987, 33.2131

Achromatomaly

28.8490, 30.6362, 34.5299

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.7181, 31.0019, 36.8181 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(142, 153, 158)` looks like.

```
.text, #text, p{  
    color:rgb(142, 153, 158)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(142, 153, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 153, 158) }
```

Border

The CSS property to change the border of an element to XYZ 28.7181, 31.0019, 36.8181 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(142, 153, 158) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(142, 153, 158) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(142, 153, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 153, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 153, 158);  
box-shadow:4px 4px 4px 4px rgb(142, 153,  
158) }
```

Background

The CSS property to change the background color of an element to XYZ 28.7181, 31.0019, 36.8181 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 153, 158) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(142,  
153, 158) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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